

ICC Renewable Energy Forum

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Monthly net electricity generation from selected fuels (Jan 2007 - Mar 2017)

share of total electricity generation

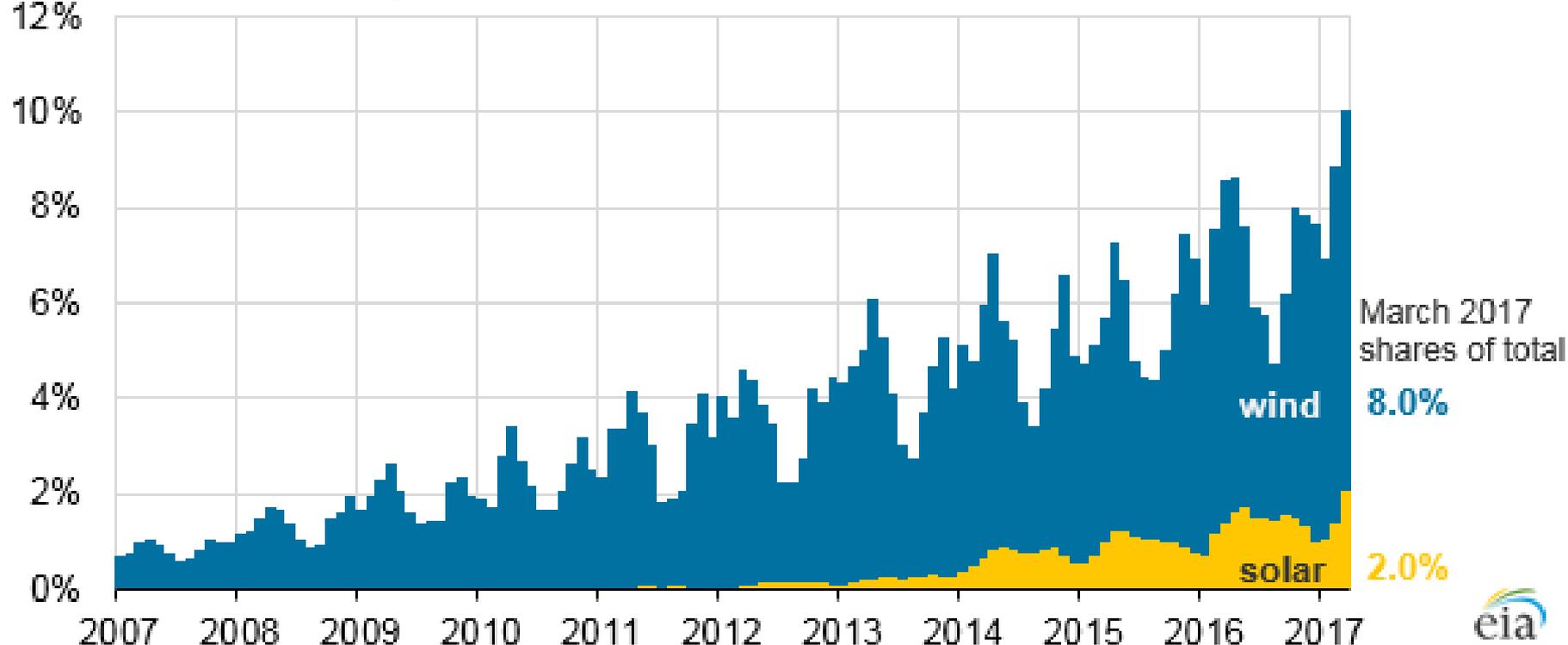
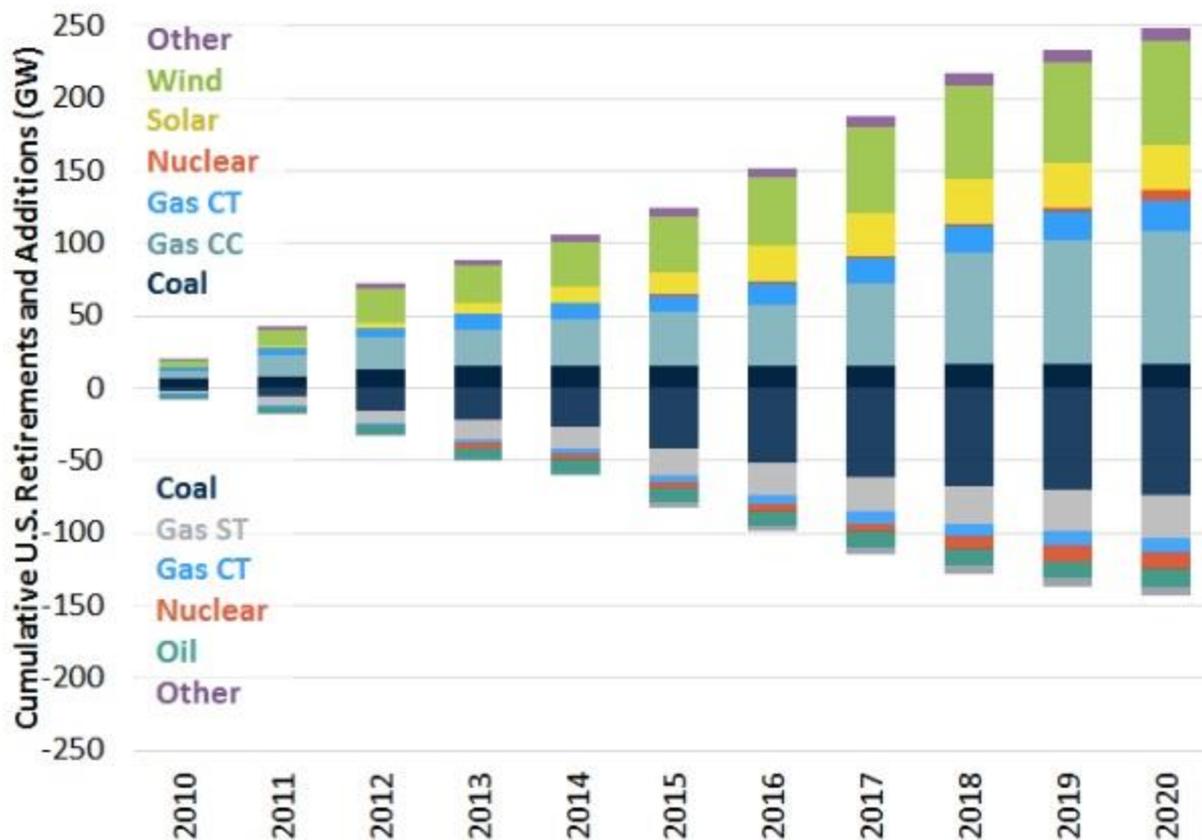


Figure 4: U.S. Cumulative Capacity Retirements and Additions by Fuel Type (GW), 2010–2020



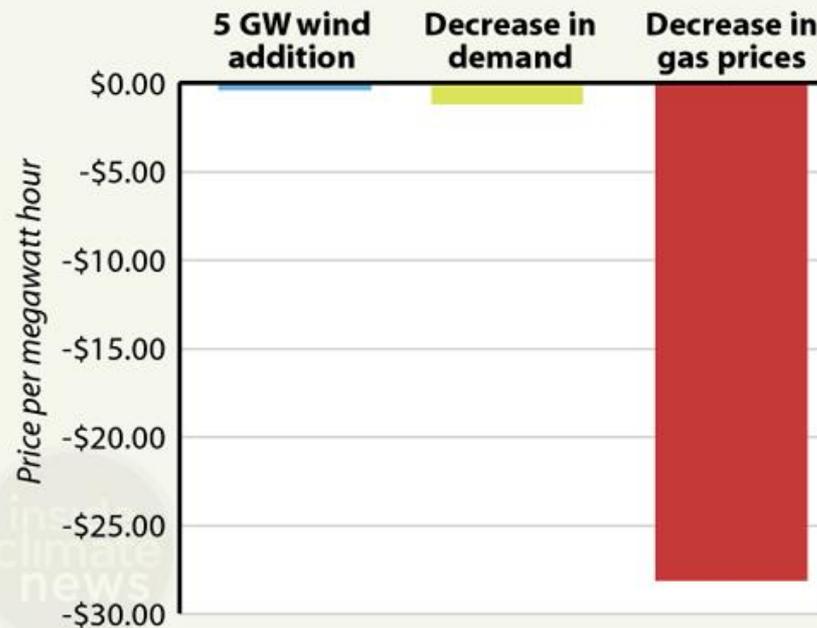
Source and Notes: The Brattle Group analysis of data compiled by ABB, Inc., The Velocity Suite, June 2017. Gigawatts reflect nameplate capacity. Solar additions represent utility-scale solar. Future additions reflect units currently under construction, undergoing site preparation or testing, and permitted.

How Three Factors are Influencing Electricity Prices

In the PJM wholesale market — which reaches 13 states in the U.S. East, Midwest and South — lower natural gas prices have driven down the cost of electricity far more than the drop in demand or the addition of new wind power.

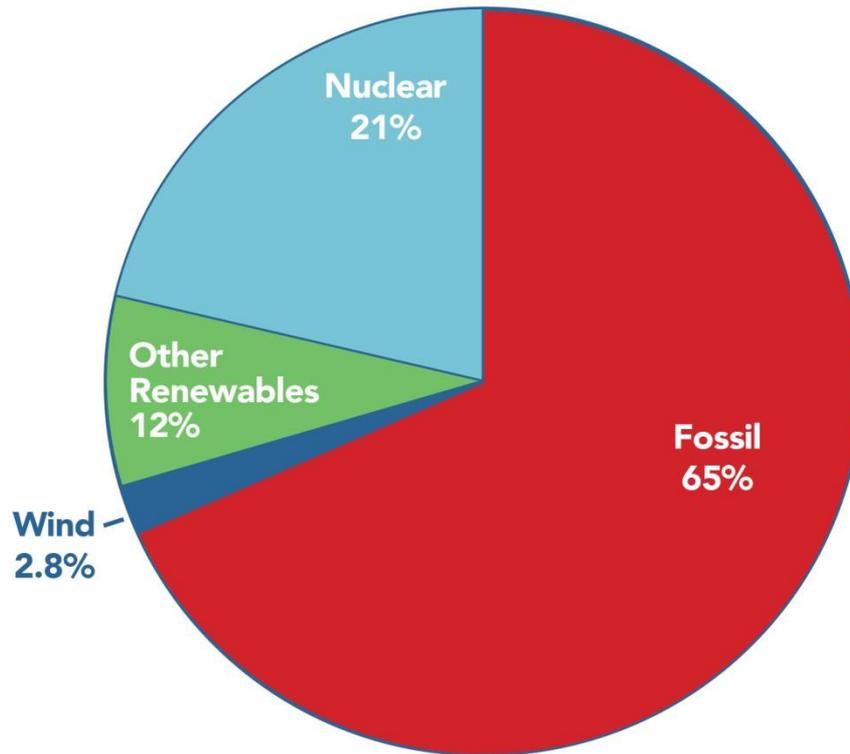
IMPACTS ON PJM WHOLESALE ENERGY MARKET

Electricity price per megawatt hour



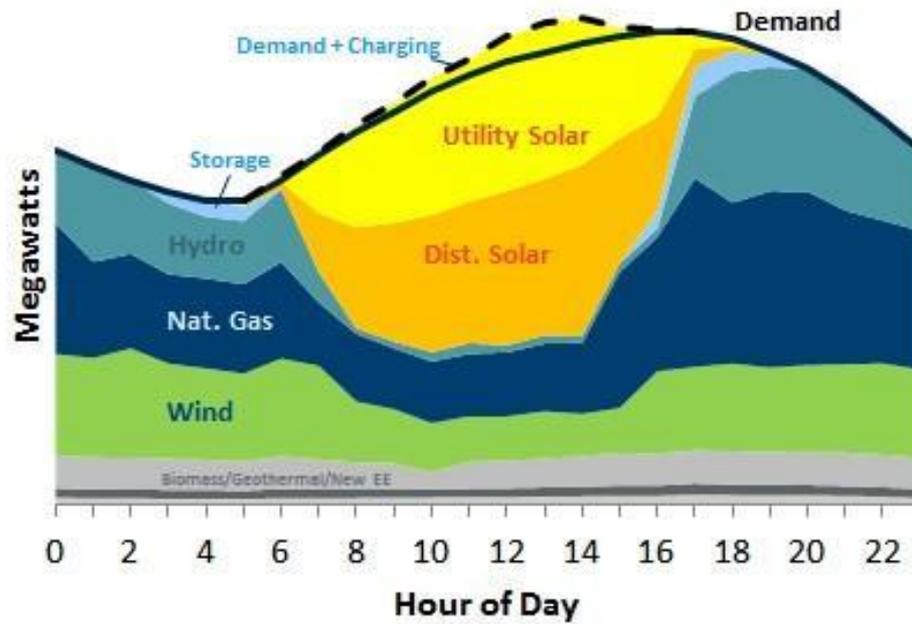
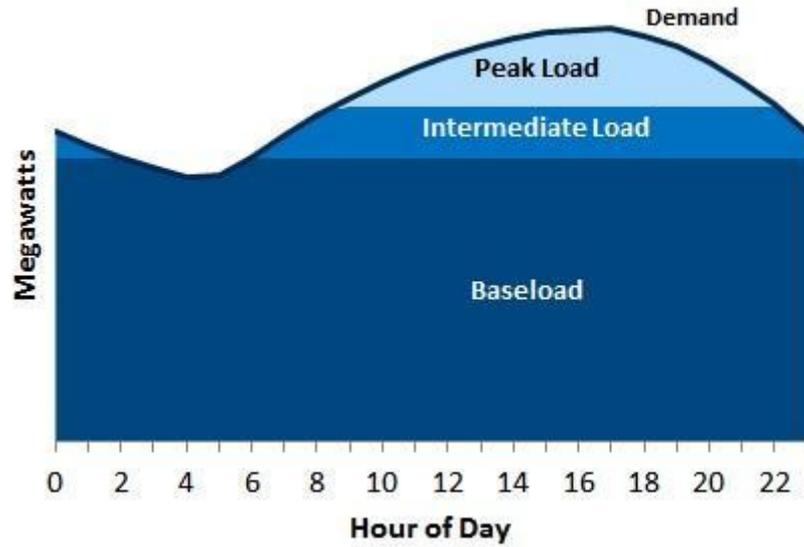
NOTE: Impact of wind addition demonstrates impact of adding 5 GW of wind to all of PJM on marginal electricity price for all of PJM. Decrease in gas price shown between 2005-2008 and 2009-2015 periods in PJM East.

FEDERAL ENERGY INCENTIVES

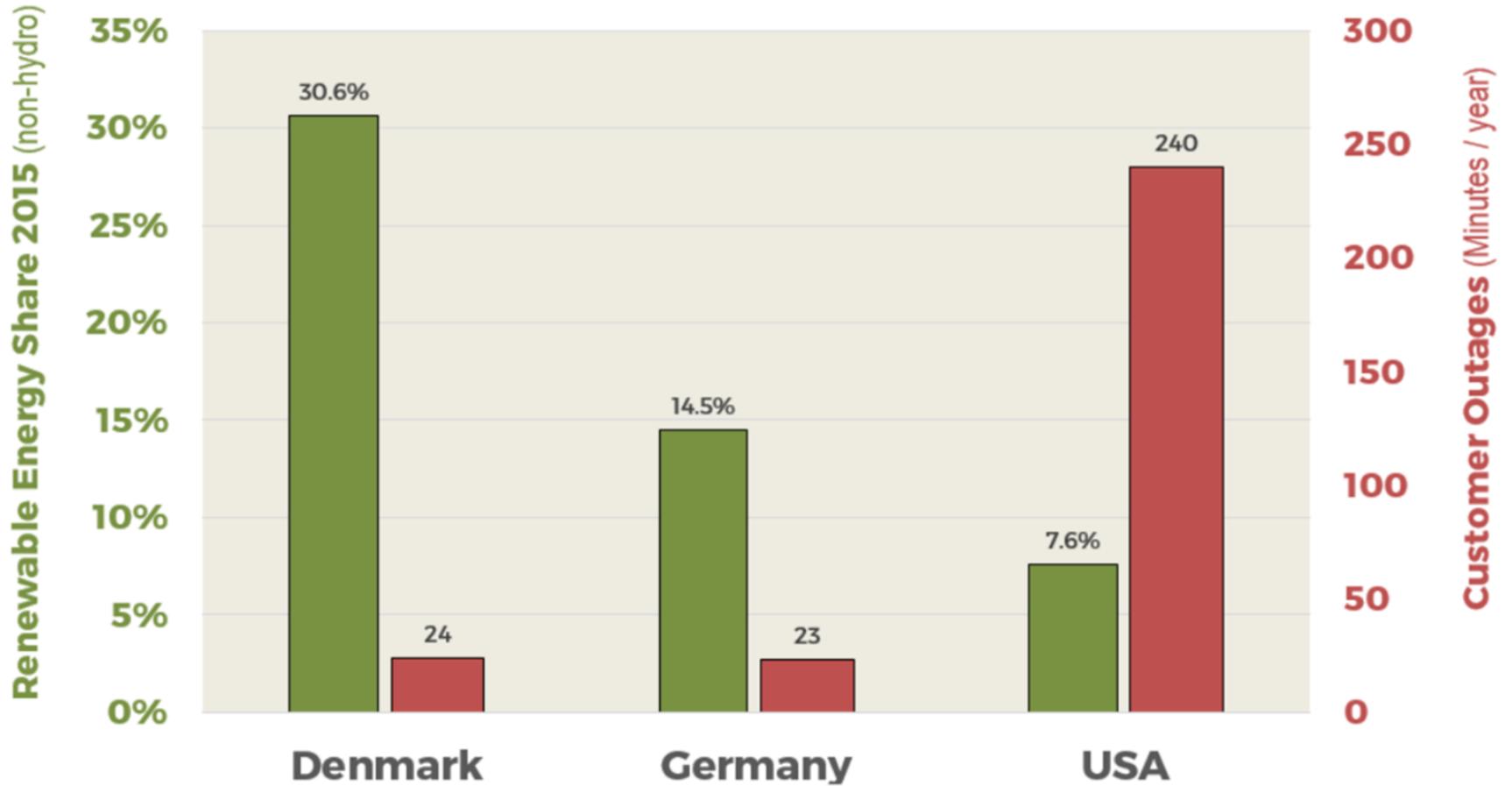


* Federal incentives for all energy sources from 1947 to 2015 total \$957 billion
Sources: JCT, US Treasury, OMB, DBL Investors, NEI, DOE

Compiled by the American Wind Energy Association



Renewable Penetration vs. Annual Power Outages



Created by NEXTracker, Inc.

Sources: U.S. Energy Information Administration, Öko-Institut Eurostat, Galvin Electricity Initiative

“Do I recognize we have to be attendant to supporting the different ways in which renewables work? Yes. [But] I don’t see any problems with reliability, and I say bring on more renewables.”

-Former FERC Commissioner Collette Honorable

June 27, 2017

Thank you

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